



PURPOSE:

The purpose of this document is to provide our Scroll Fan installation instructions so you can fit your MAFI product correctly & ensure its effectiveness.

RESPONSIBILITY:

It is the owner / and or ship repairer's responsibility to correctly install the MAFI products. Any alterations or deviations should be carefully considered.

MAFI would appreciate all deviations to be referenced, made aware & noted for future reference.

WARRANTY:

For the scroll fan to be covered under the full 3 year warranty, if it is installed in a marine environment, the vessel needs to have intake separator grilles installed to ensure the protection of the fan and engine room. If it is in a plant room, it must be protected from direct exposure to dust and debris to ensure the full 3 year warranty is provided.

TOOLS, GUAGES & FIXTURES:

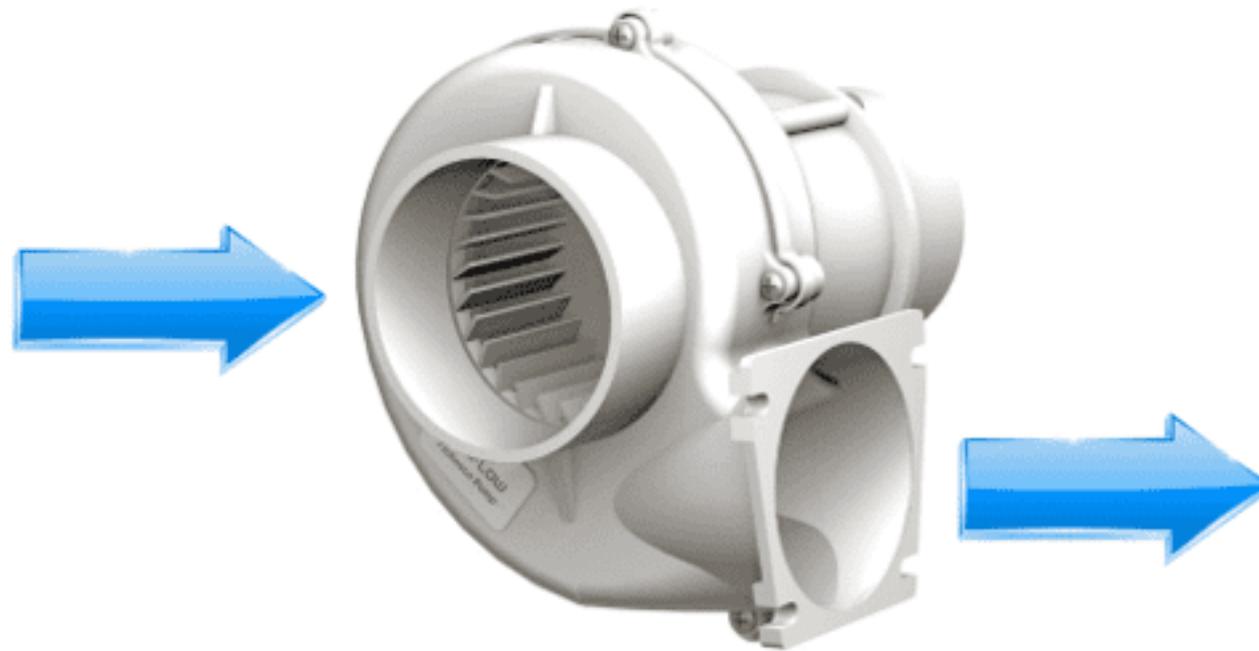
Because of the variety of situations where our Scroll fans can be installed, no fixings are supplied with these fans. They also do not require a drill template as the fans are light weight and easy to mark drill holes while being held in position.

POSITION AND PREPARATION:

Confirm orientation and dry fit the fan (refer to diagram below for guidance on flow direction)



Flow



Method to Mount Fan

- Pencil mark the holes with the fan in place
- Pre-drill holes ready for self-tapping screws
- Line the fan up with the screws, insert screws and fix into place. If using a mounting bracket, mark screw positions prior to attaching the fan to the bracket for easier handling
- Ensure all swarf and drilling debris is cleaned away
- Connect the electrical supply and test the fan



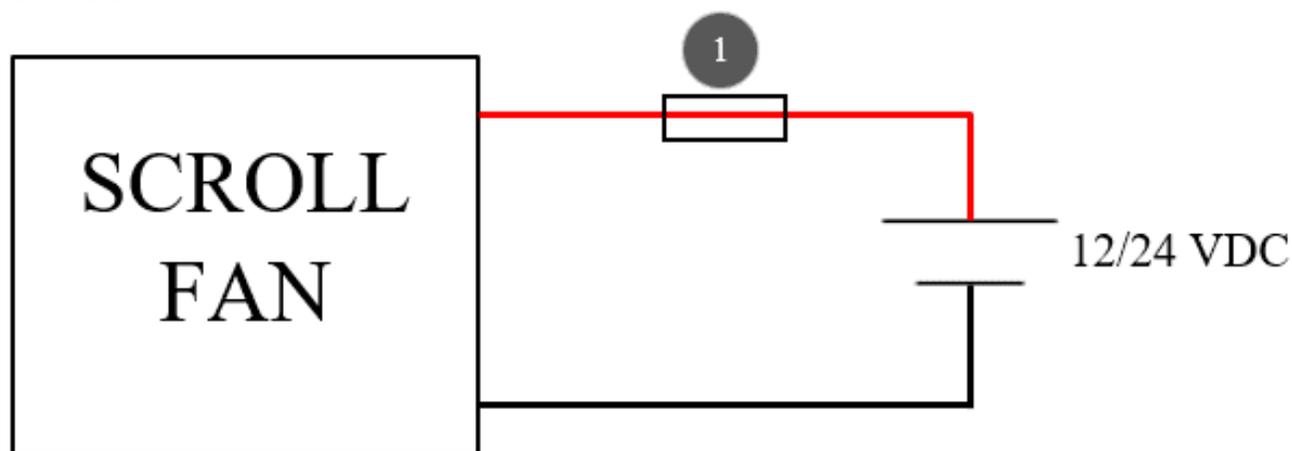
Electrical Connection and Wiring Guide

CAUTION: BE CAREFUL WHEN CONNECTING AND WIRING THE FAN AND ASSOCIATED PARTS AS THERE IS A RISK OF ELECTROCUTION

Wiring the 12V/24V Scroll Fan

To wire the Scroll Fan, follow the proceeding steps carefully. Refer to diagram below if needed.

- Connect the black lead extending from the scroll fan to the ground terminal of the voltage source
- Connect the red lead extending from the scroll fan to one end of the 2.5A/3.9A fuse
- Connect the positive terminal of the power supply (12V/24V) to the other end of the fuse
- Test the circuit works



1 2.5A/3.9A Fuse (24V Fan = 2.5A, 12V Fan = 3.9A)